

USB Supplement Instructions

The following discussion covers the CD for the **USB Supplement for the Microsoft Windows 95 OEM Preinstallation Kit (OPK)**.

Adding USB Supplement To OSR2 OPK Preinstalls

(Step 1) Transfer file on supplied CD - oemusb.exe

NOTE: REF:\ = ROOT OF REFERENCE SYSTEM CREATED BY OEM.

- For Single language installs: copy \usb\oemusb.exe to the directory
REF:\image\windows\options\cabs

- For Multiple language installs copy the appropriately localized version of
\usb\oemusb.exe into each language directory
REF:\image\windows\options\<LANG>.

for example, if you were installing with English, German, and French languages, you would:

(a) copy the English version of \usb\oemusb.exe to -

REF:\image\windows\options\ENG

(b) copy the German version of \usb\oemusb.exe to -

REF:\image\windows\options\GER

(c) copy the French version of \usb\oemusb.exe to -

REF:\image\windows\options\FRN

(Step 2) Add/modify sections in oemaudit.inf

The oemusb.exe package is opened by adding it to the RunOnce\Setup list. It is extracted during the setup of the Control Panel, Time Zone, Windows Help, etc. The installation process will be completed on the already necessary reboot after all these configuration changes have been made.

To make the changes, edit and add these lines to their respective sections.

REF:\oemaddon\windows\options\oemaudit.inf

*** Create [xxxxxx] sections if and only if they are not present**

*** Ensure that no spaces are introduced to any line syntax**

-----Begin file excerpt-----

[Strings]

USB="USB/WDM Configuration"

[PreInstallApp.AddReg]

HKLM,%KEY_RUNONCE%\Setup,%USB%,,"c:\windows\options\cabs\oemusb.exe"

[RO_PreInstallApp]

%USB%=1

-----End file excerpt-----

Intel/Konica USB Camera Support

OEM's must ship the I420 (h263_32.drv) codec with the VFW capture application they bundle with the Intel/Konica camera. Be advised that the INF does not prompt for this file when the camera is plugged in. The install program for the application you choose to bundle with the Konica camera should install this codec. If the application you choose to bundle with the camera has an uninstall option, it should leave the codec in place. Intel distributes and supports this codec, not Microsoft.

In order to use the USB camera the following components are required:

- usbcamd.sys - minidriver for the konica camera
- imagecls.sys - image class driver
- vfwwdm.drv - vfw capture driver
- vfwwdm32.dll - vfw capture driver to image class helper
- h263_32.drv - Intel I420 codec
- image.inf - inf that installs camera support
- VFW capture application

The INF files for Infrared Ports

There are three INF files that allow newer Plug and Play IR devices to be recognized. Specifically, the device type PNP0511 requires these new INF files to function properly. You should use these INF files on preinstalled systems so that if a user plugs in such a device, it will be recognized and configured.

The Online Services Readme.txt

The Online Services Readme Text file contained some editing errors that could confuse end users. This file, Services.txt, corrects those errors, and should be used on new preinstalled systems at your earliest convenience.

End User Floppy Disk

The CD for the **USB Supplement for the Microsoft Windows 95 OEM Preinstallation Kit (OPK)** contains the MKUSBF.BAT to create an End User floppy disk that will upgrade a machine distributed with USB capability and OSR2 as the operating system. If your version of Windows is not 4.00.950B the PC will not accept the USB files and fail to install. No harm will be encountered by the system from trying to install USB support.

To install the supplement from a floppy disk use the following procedure:

1. Start Windows Explorer.
2. Click on the A: drive to display the contents of the floppy disk.
3. Double click on USBSUPP.EXE
4. Follow the prompts until the notice to reboot.

This floppy may be duplicated to send to End Users.

Important Notes

The method for adding USB support to OSR2 preinstalls should add no more than 30 seconds to the preinstall process. If you are adding this supplement to preinstalls that have no PnP or PCI support use the following procedures. A PCI bus and/or a PnP BIOS will not reboot after the RUNONCE item and before the supplement executes. The USB supplement causes the autoexec.bat to be replaced by a file that on the subsequent boot, will update vmm32.vxd so that new files will synchronize. If this does not happen, there will be a file mismatch and the system will fail to boot. Pressing the shutdown button on the OEMReset tool will replace the autoexec with the autoexec designed for the end user. This process will create a no boot capability for the End User because the VMM32.VXD will not be updated. To determine if the machine is at risk for this event, while the OEMReset tool is displayed, attempt to open a command prompt. If an error message states a need to rerun setup, VMM32 has not been updated. To correct the situation, restart the machine without choosing to run the cleanup tool. To do so choose shutdown from the start menu and choose: Restart the computer. When prompted to clean up the system choose NO. After the restart, you can safely click on the shutdown tool.